

Title (en)

METHOD TO INCREASE THE ABSORPTION OF UNSATURATED FATTY ACIDS BY HUMAN INFANTS

Title (de)

VERFAHREN ZUR ERHÖHUNG DER ABSORPTION VON UNGESÄTTIGTEN FETTSÄUREN DURCH MENSCHLICHE KLEINKINDER

Title (fr)

PROCÉDÉ POUR AUGMENTER L'ABSORPTION D'ACIDES GRAS INSATURÉS PAR DES NOURRISSONS HUMAINS

Publication

EP 2629789 A1 20130828 (EN)

Application

EP 10768239 A 20101021

Priority

EP 2010065915 W 20101021

Abstract (en)

[origin: WO2012052059A1] The present invention relates to a method to increase the absorption by a human infant of at least one unsaturated fatty acid, said method comprising the enteral administration to said infant of recombinant human bile-salt-stimulated lipase (rhBSSL). In another aspect the invention also relates to a method to improve the visual and/or cognitive development of a human infant, said method comprising the enteral administration to said infant of rhBSSL. Such methods have particular utility for preterm human infants, particular those in medical need of increasing their absorption of or availability to such unsaturated fatty acids. In further aspects, the invention relates to kits, packaged- pharmaceutical-products, recombinant human bile-salt-stimulated lipase and pharmaceutical compositions, in each case useful for increasing the absorption by a human infant of at least one unsaturated fatty acid, or for increasing the visual and/or cognitive development of a human infant.

IPC 8 full level

A61K 38/43 (2006.01); **A23L 29/00** (2016.01); **A23L 33/00** (2016.01); **A61P 1/00** (2006.01)

CPC (source: EP US)

A23C 9/1216 (2013.01 - EP US); **A23C 9/206** (2013.01 - EP US); **A23L 29/06** (2016.07 - EP US); **A23L 33/12** (2016.07 - EP US);
A23L 33/40 (2016.07 - EP US); **A61K 38/465** (2013.01 - EP US); **A61P 1/00** (2017.12 - EP); **A61P 1/14** (2017.12 - EP); **A61P 3/00** (2017.12 - EP);
A61P 3/02 (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **A23V 2002/00** (2013.01 - EP US);
C12Y 301/01003 (2013.01 - EP US)

Citation (search report)

See references of WO 2012052059A1

Citation (examination)

- HERNELL O ET AL: "Does the bile salt-stimulated lipase of human milk have a role in the use of the milk long-chain polyunsaturated fatty acids?", JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION, LIPPINCOTT WILLIAMS WILKINS, INC, US, vol. 16, no. 4, 1 May 1993 (1993-05-01), pages 426 - 431, XP009182143, ISSN: 0277-2116
- CHEN Q ET AL: "Digestion of triacylglycerols containing long-chain polyenoic fatty acids in vitro by colipase-dependent pancreatic lipase and human milk bile salt-stimulated lipase", BIOCHIMICA ET BIOPHYSICA ACTA - LIPIDS AND LIPID METABOLISM, ELSEVIER SCIENCE BV, AMSTERDAM, NL, vol. 1210, no. 2, 3 January 1994 (1994-01-03), pages 239 - 243, XP023365771, ISSN: 0005-2760, [retrieved on 19940103], DOI: 10.1016/0005-2760(94)90127-9

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2012052059 A1 20120426; AU 2010362575 A1 20130411; CA 2812852 A1 20120426; CN 103189070 A 20130703;
EP 2629789 A1 20130828; JP 2013545444 A 20131226; JP 5800907 B2 20151028; RU 2013123056 A 20141127; US 2012100127 A1 20120426;
US 2015297683 A1 20151022; US 8986682 B2 20150324

DOCDB simple family (application)

EP 2010065915 W 20101021; AU 2010362575 A 20101021; CA 2812852 A 20101021; CN 201080069702 A 20101021;
EP 10768239 A 20101021; JP 2013534173 A 20101021; RU 2013123056 A 20101021; US 201113278682 A 20111021;
US 201514656565 A 20150312